

moving the piston, and a pipette directly connected to one of the openings of the cylinder;

a driving mechanism for driving the liquid sampler to prepare a test sample;

and

an analyzing section for analyzing the test sample.

12. (Amended) An analyzer as set forth in claim 11, wherein the analyzing section comprises a detection member which includes a channel having an inlet and an outlet provided at opposite ends thereof and an orifice provided between the inlet and the outlet, and a detection section for detecting a change in impedance of the test sample when the test sample flows through the orifice.

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14. (Amended) An analyzer as set forth in claim 12 further comprising a controlling section for controlling the driving source and the driving mechanism,

wherein the controlling section functions to control the pump driving source and the driving mechanism so as to cause the metering pump to quantitatively suck a liquid sample from a specimen vessel for containing the liquid sample, quantitatively inject the sucked liquid sample into a reagent vessel for containing a predetermined volume of reagent to dilute the sucked liquid sample, and quantitatively inject the diluted liquid sample as the test sample into the inlet of the detection member

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16. (Amended) An analyzer as set forth in claim 12 further comprising a controlling section for controlling the driving source and the driving mechanism,

27 wherein the controlling section functions to control the pump driving source and the driving mechanism so as to cause the metering pump to quantitatively suck a liquid sample from a specimen vessel for containing the liquid sample, quantitatively inject the sucked liquid sample into a reagent vessel for containing a predetermined volume of reagent to dilute the sucked liquid sample, suck a hemolyzing agent from a hemolyzing agent from a hemolyzing agent vessel for containing the hemolyzing agent, inject the sucked hemolyzing agent into the reagent vessel to hemolyze the diluted liquid sample, and quantitatively inject the hemolyzed liquid sample as the test sample into the inlet of the detection member.

Please add the following new claims:

28 23. The analyzer of claim 11, wherein the test sample is prepared from a blood specimen and a reagent.

24. An analyzer comprising:  
a liquid sampler for preparing a test sample from a liquid sample and a reagent, the liquid sampler including a metering pump, a pipette connected to the metering pump and a driving source for driving the metering pump;

a reagent cassette holder for holding a reagent cassette in a detachable manner, the reagent cassette storing the reagent; and  
an analyzing section for analyzing the test sample.

25. The analyzer of claim 24, further comprising  
a detecting cassette holder for holding a detecting cassette in a detachable manner, the detecting cassette detecting the test sample;  
wherein the liquid sampler supplies the test sample to the detecting cassette and the analyzing section analyzes a result detected by the detecting cassette.

26. The analyzer of claim 24,  
wherein the reagent cassette stores plural types of reagents.

27. The analyzer of claim 24 further comprising a detector having a light source and a light receiver,  
wherein the light source irradiates the test sample, the light receiver obtains an optical information from the test sample and the analyzing section analyzes the optical information.

28. The analyzer of claim 27,  
wherein the liquid sampler prepares the test sample in the reagent cassette and the light source irradiates the test sample in the reagent cassette.

29. The analyzer of claim 24, ✓  
wherein the pipette is directly connected to the metering pump.

30. The analyzer of claim 24,  
wherein the reagent cassette is detached from the reagent cassette holder  
after the test sample is analyzed.

31. The analyzer of claim 24, ✓  
wherein the liquid sample is a blood specimen.

32. An analyzer comprising  
a liquid sampler for preparing a test sample from a liquid sample and a  
reagent, the liquid sampler including a metering pump and a pipette  
connected to the metering pump; a driving source for driving the metering  
pump; a detecting cassette holder for holding a detecting cassette in a  
detachable manner, the detecting cassette detecting the test sample; and an  
analyzing section for analyzing a result detected by the detecting cassette. 2

33. The analyzer of claim 32,  
wherein the detecting cassette detects the test sample to obtain an electrical  
information from the test sample and the analyzing section analyzes the  
electrical information.

34. The analyzer of claim 32, further comprising a reagent cassette holder for holding a reagent cassette in a detachable manner, the reagent cassette storing a reagent to be used for preparing the test sample.

35. The analyzer of claim 32,  
wherein the detecting cassette is detached from the detecting cassette holder after the test sample is analyzed.

36. The analyzer of claim 32,  
wherein the detecting cassette comprises a drain container for storing the test sample after the test sample is detected by the detecting cassette.

37. The analyzer of claim 32,  
wherein the pipette is directly connected to the metering pump.

38. The analyzer of claim 32,  
wherein the liquid sample is a blood specimen.

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